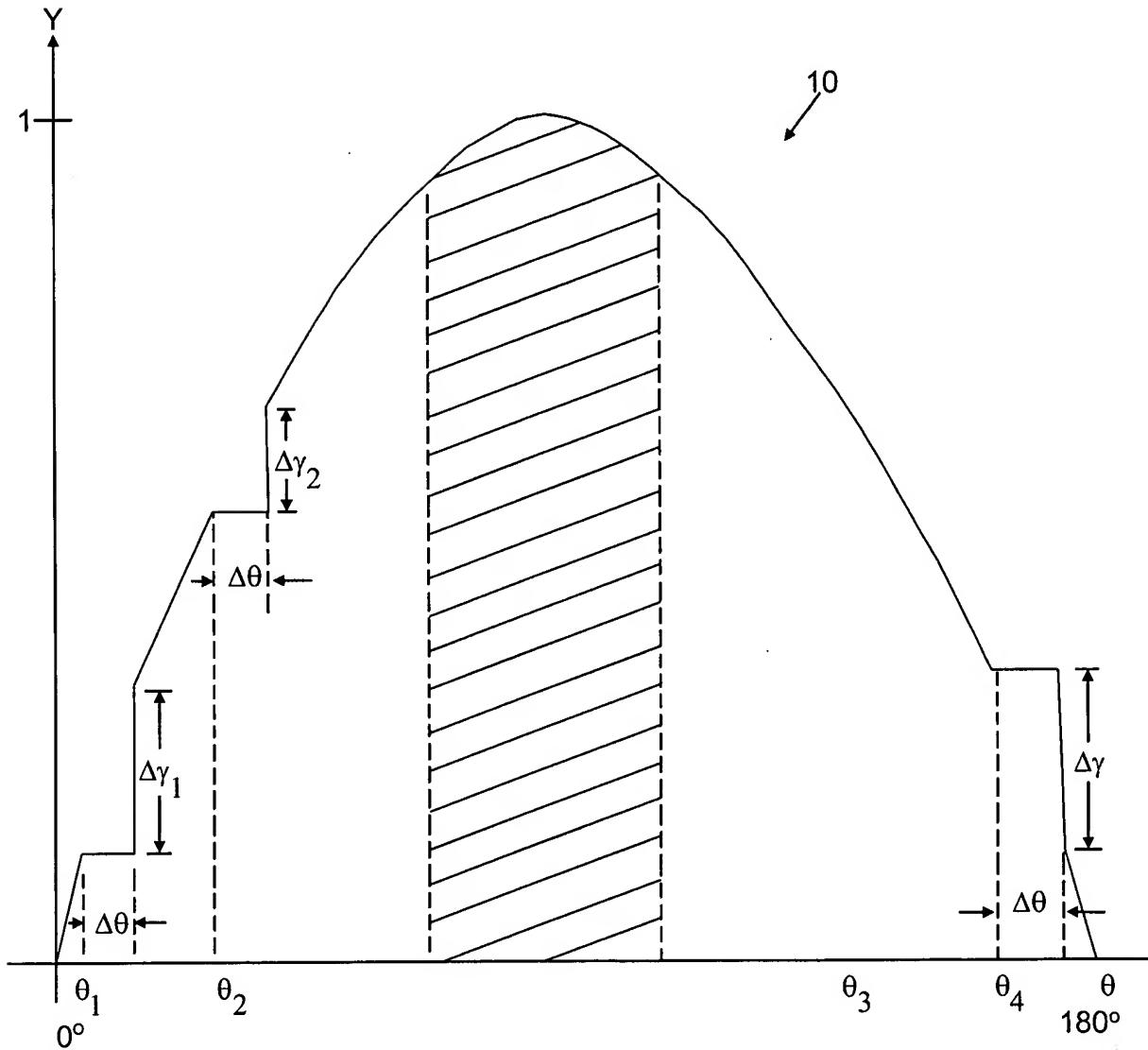




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Inventor: Brown et al.  
Docket No.: PIPE-001  
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Attorney: Kenneth D'Alessandro  
Sierra Patent Group, Ltd.



**FIG. 1A**

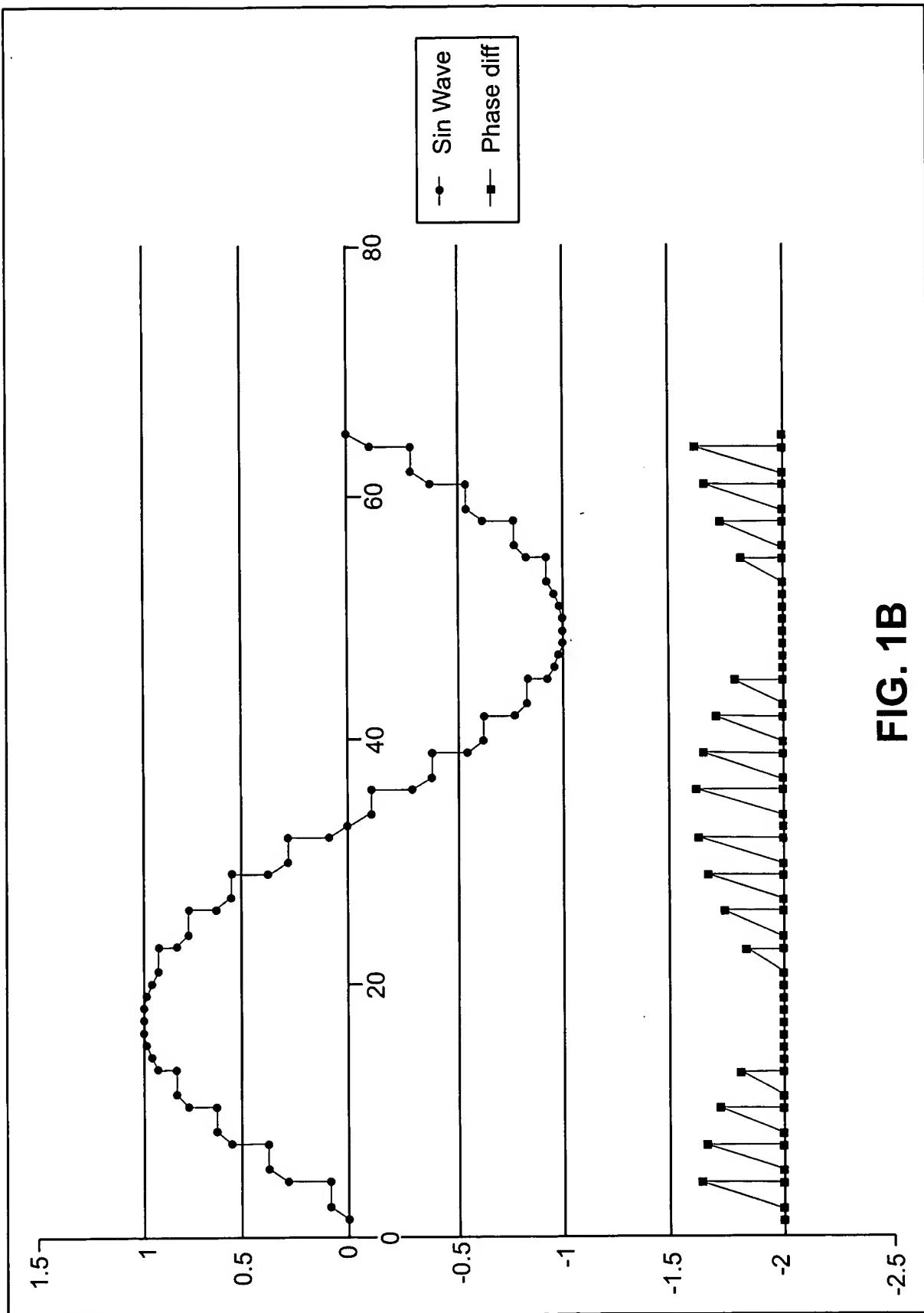
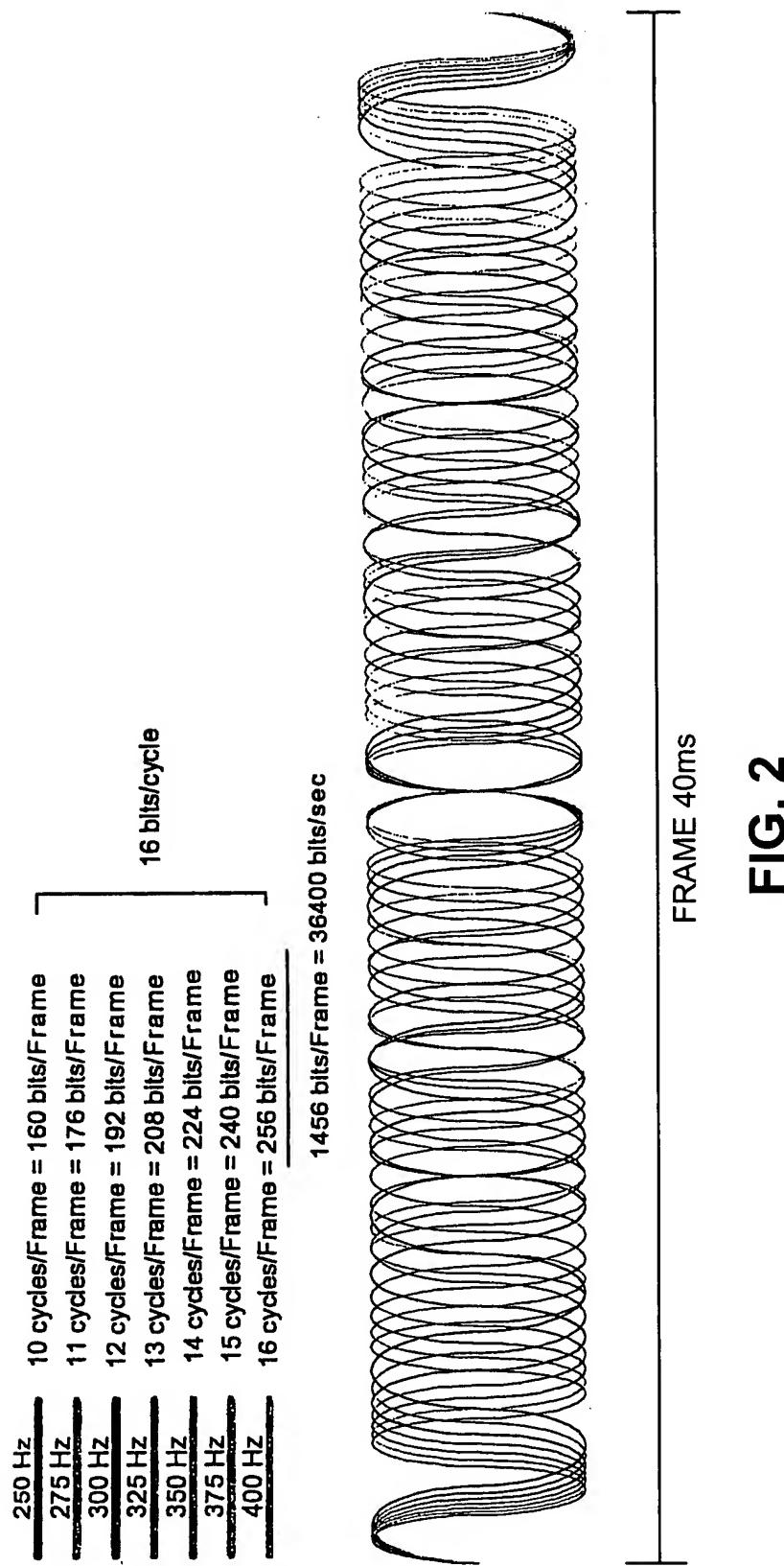
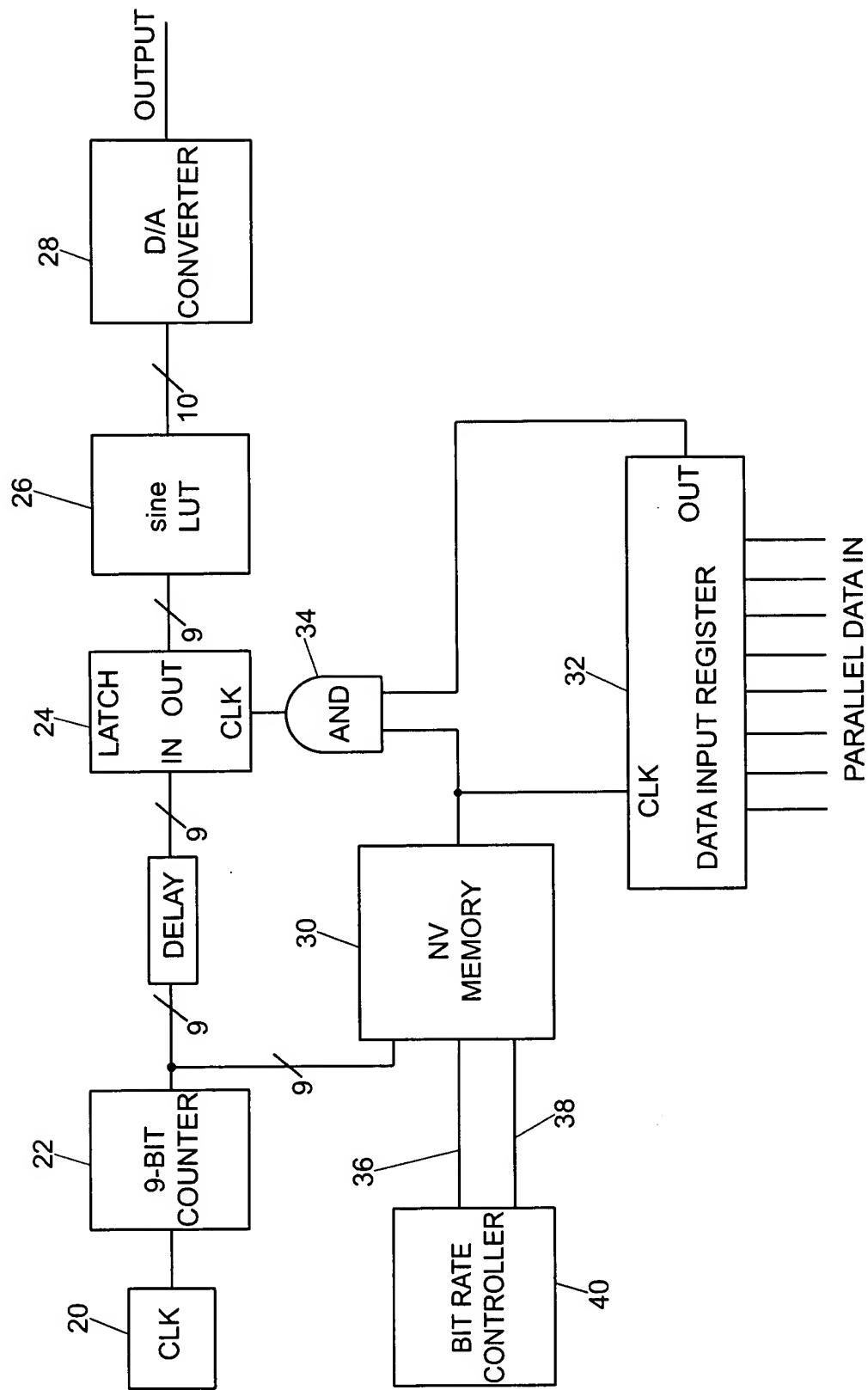


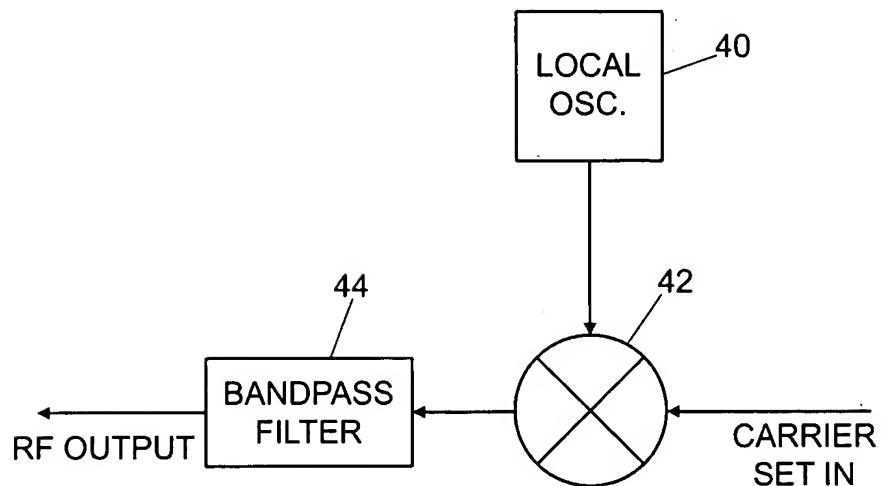
FIG. 1B



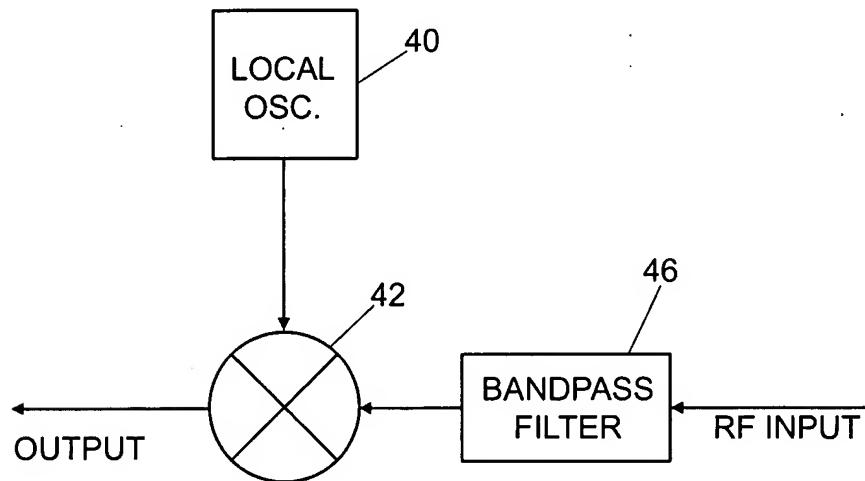
**FIG. 2**



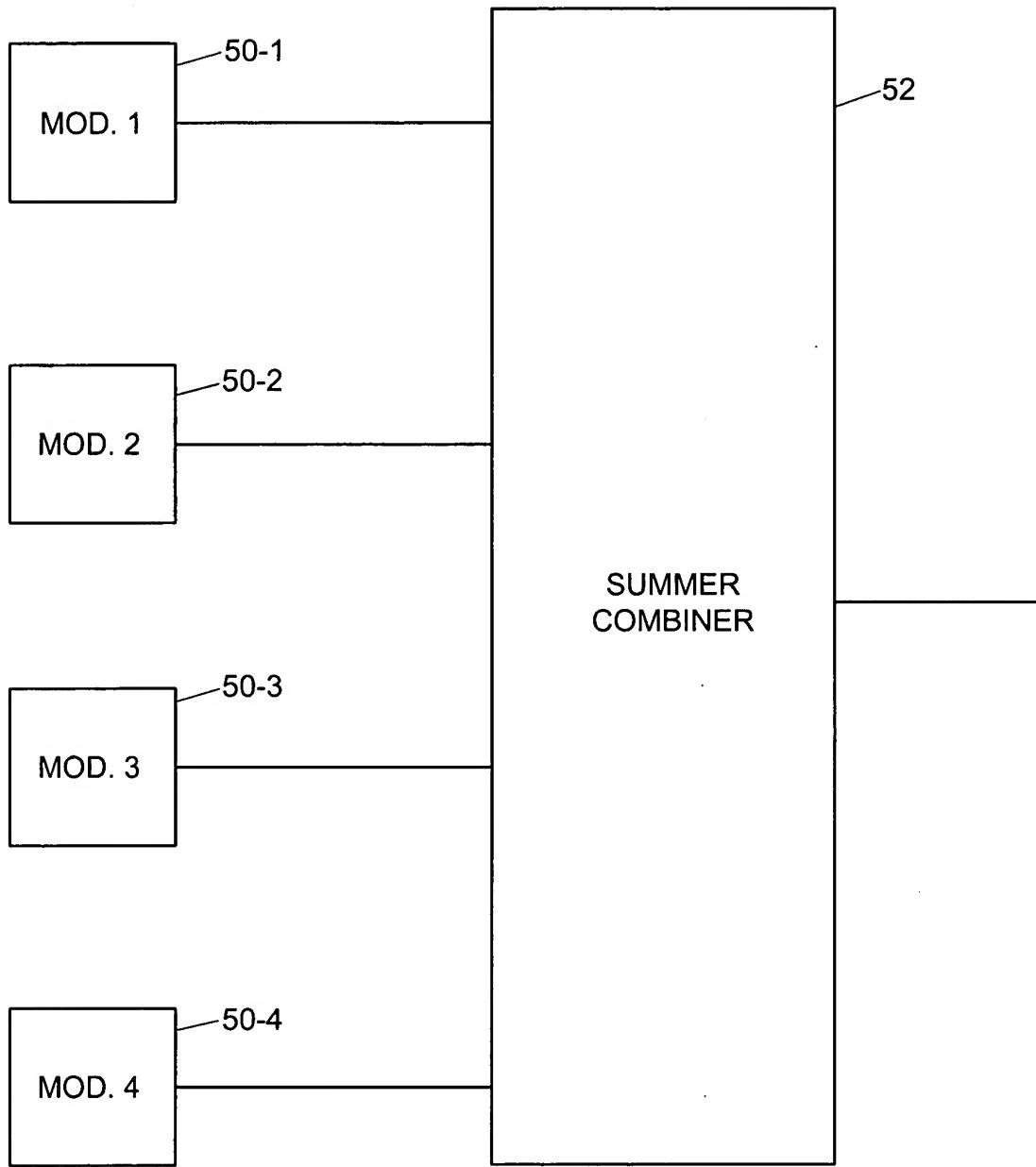
**FIG. 3**



**FIG. 4A**



**FIG. 4B**



**FIG. 5A**

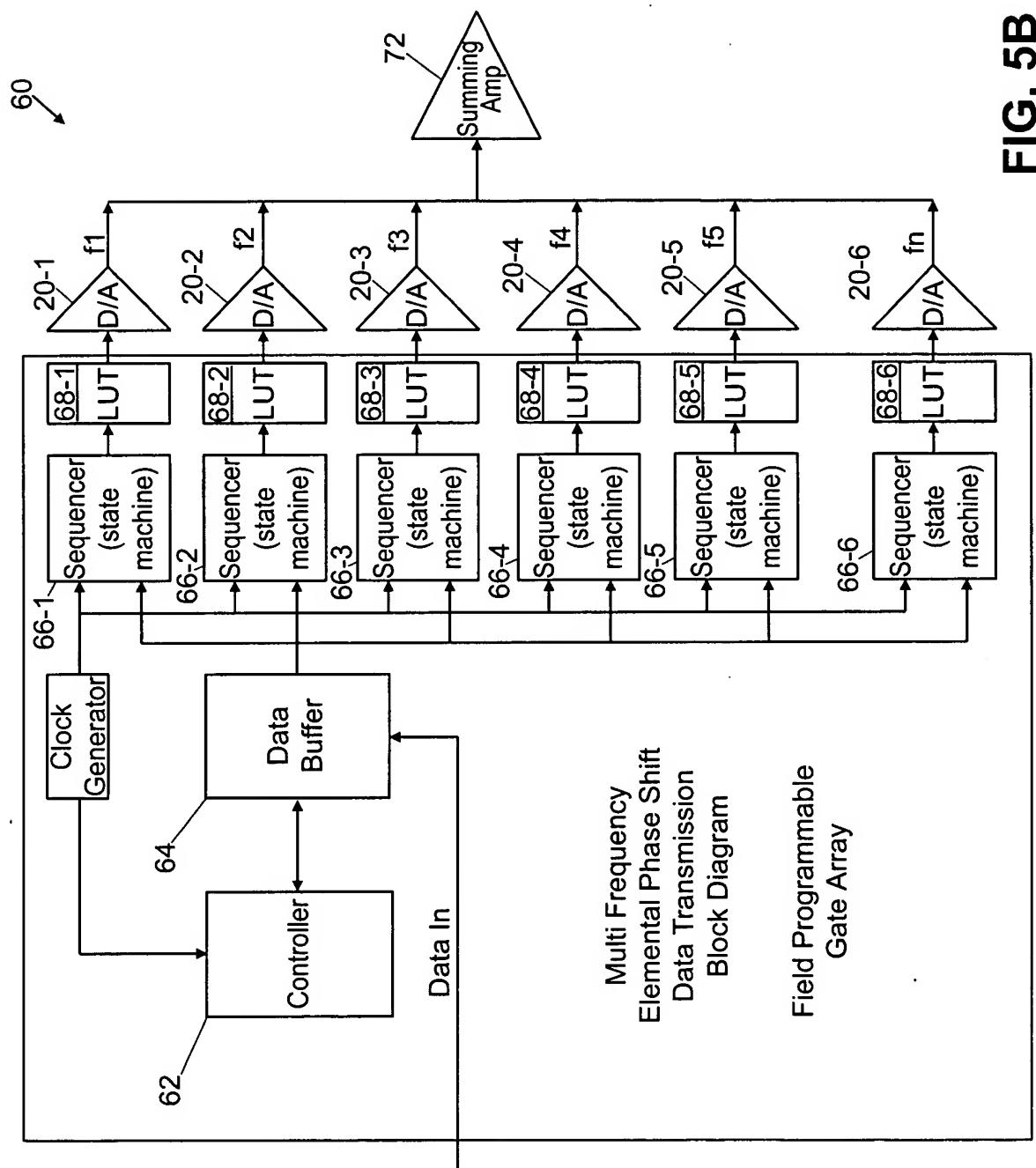
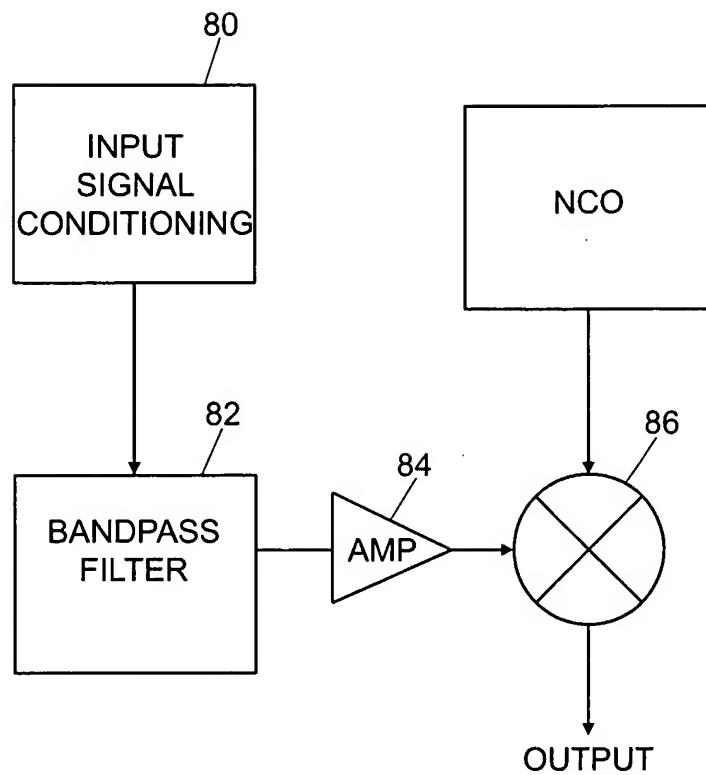
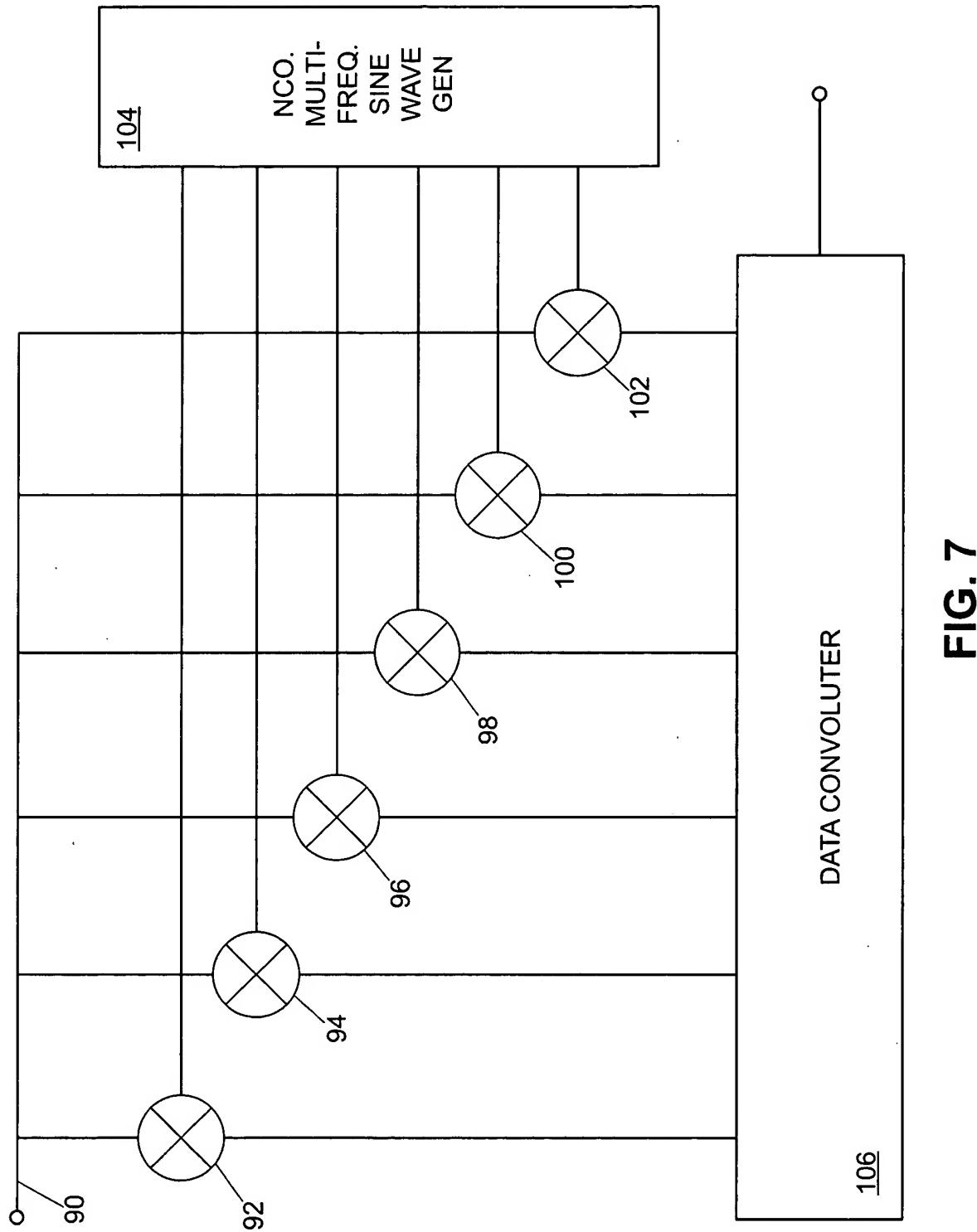


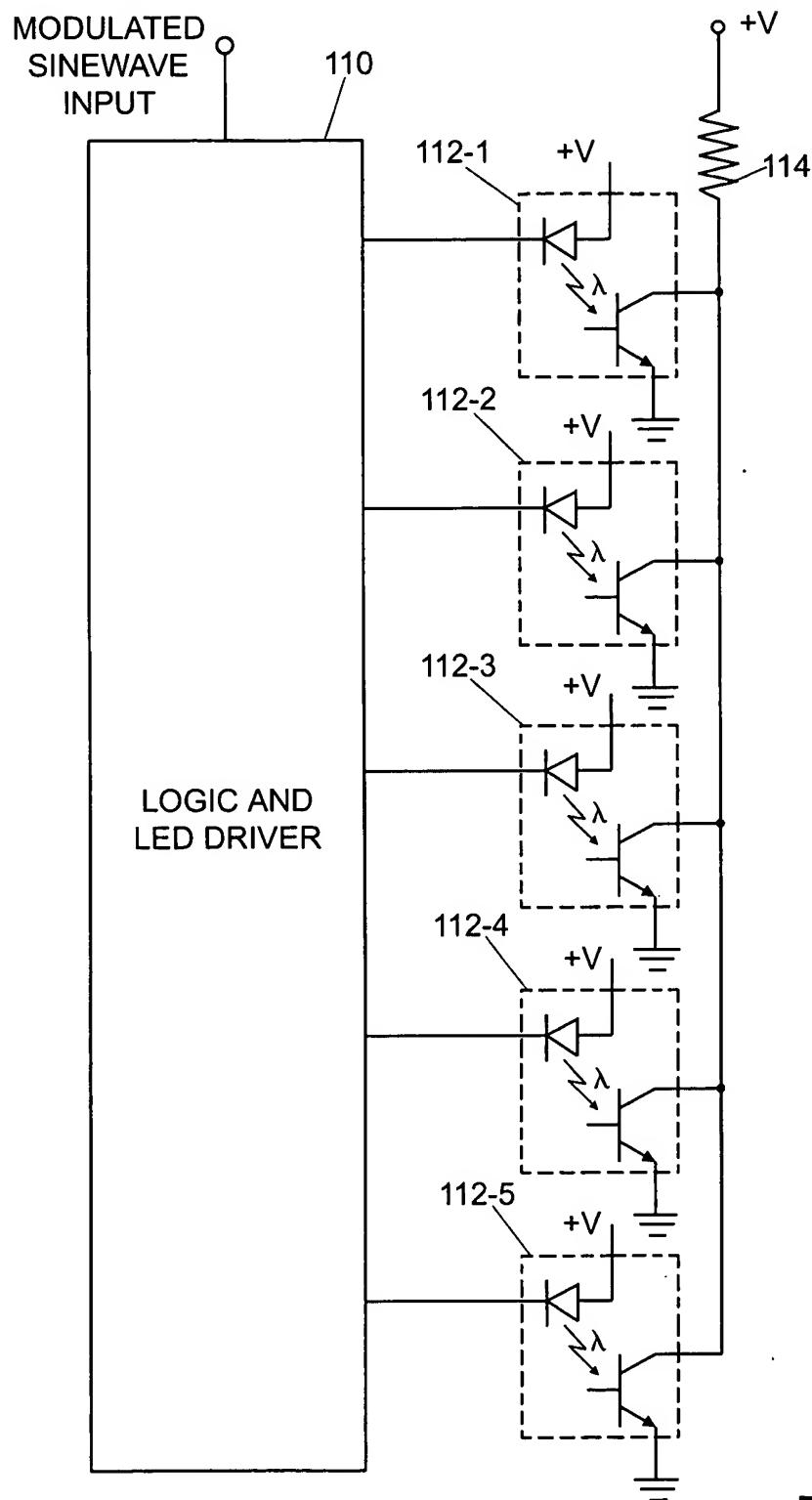
FIG. 5B



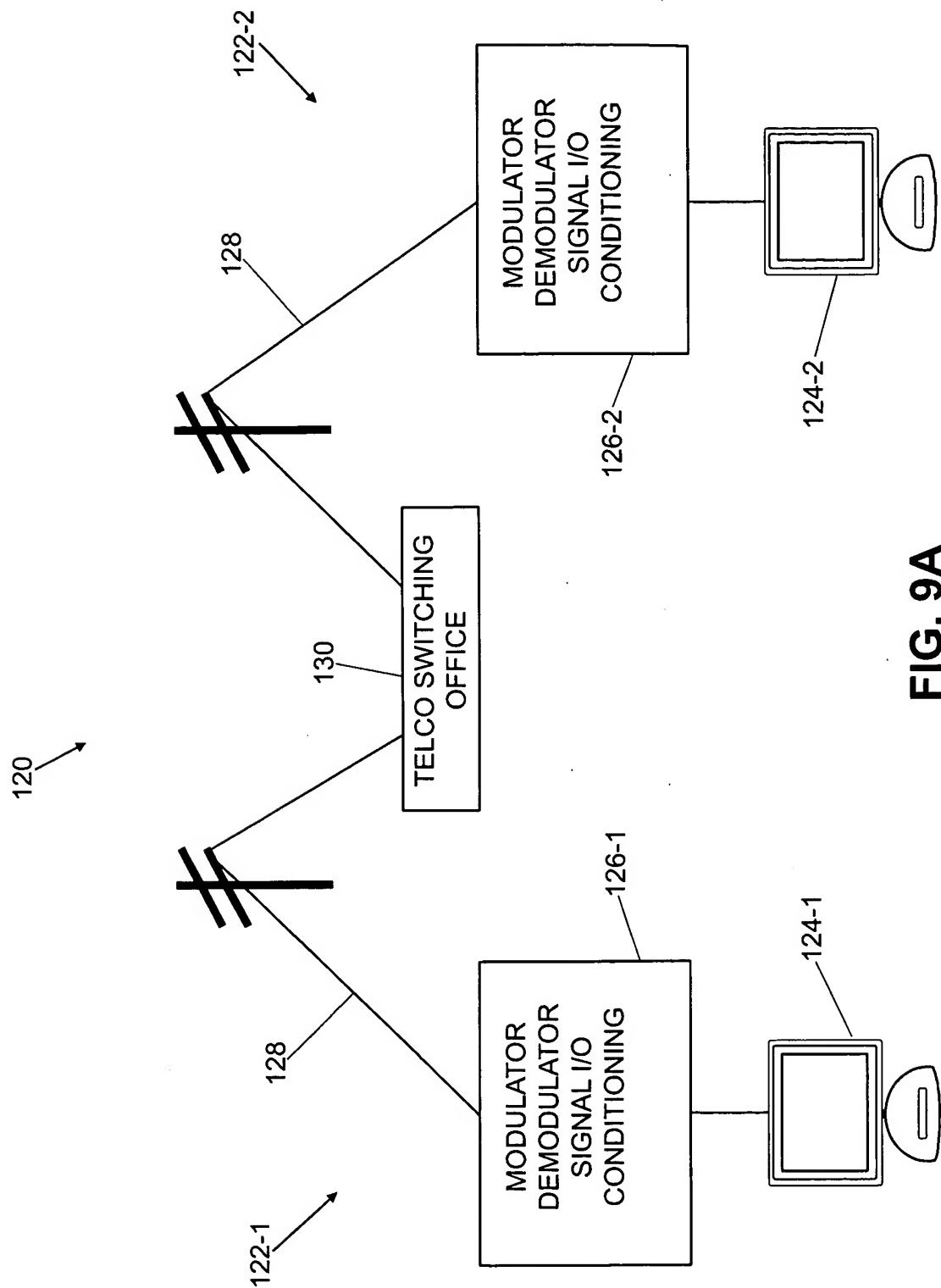
**FIG. 6**



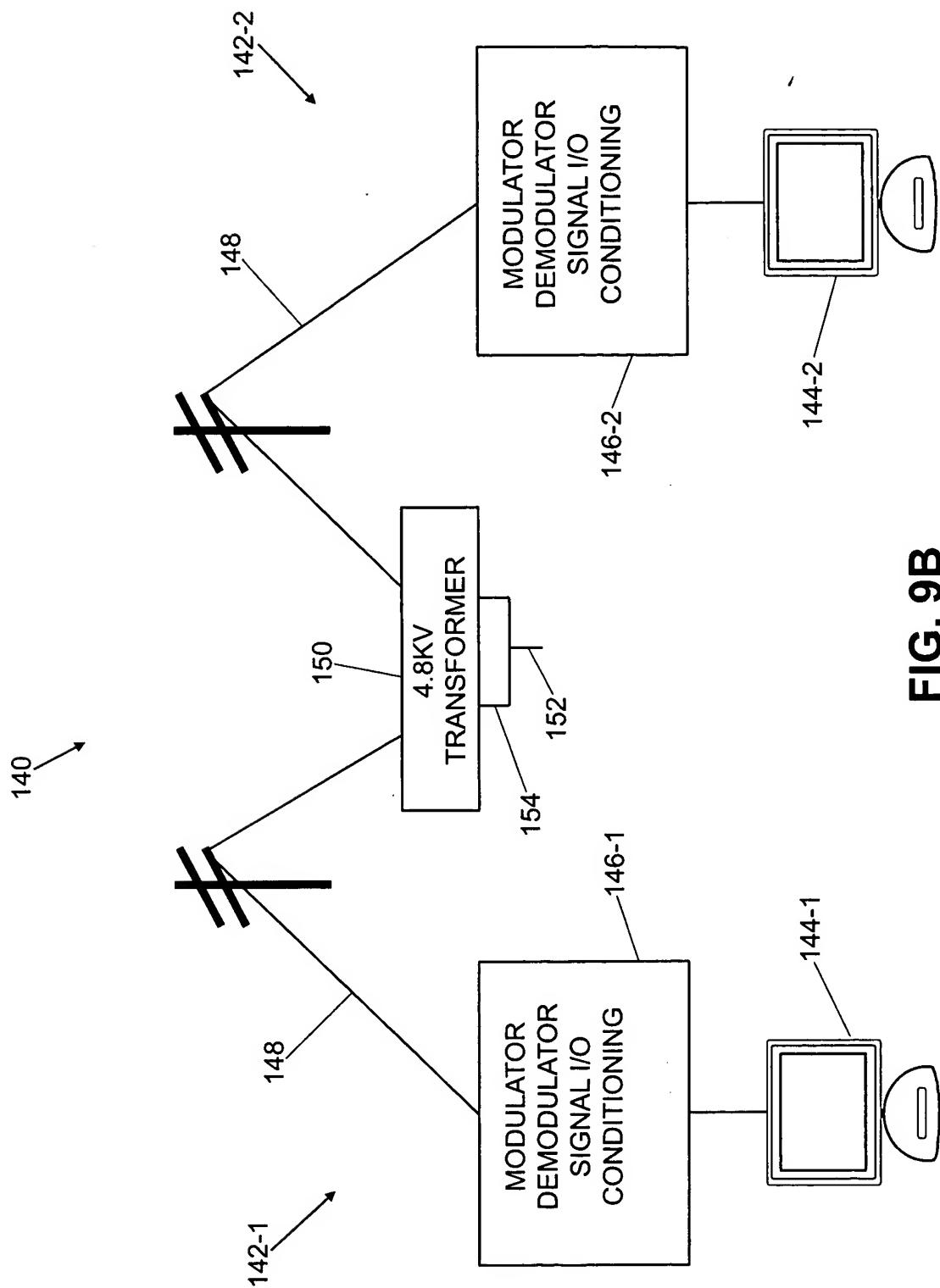
**FIG. 7**



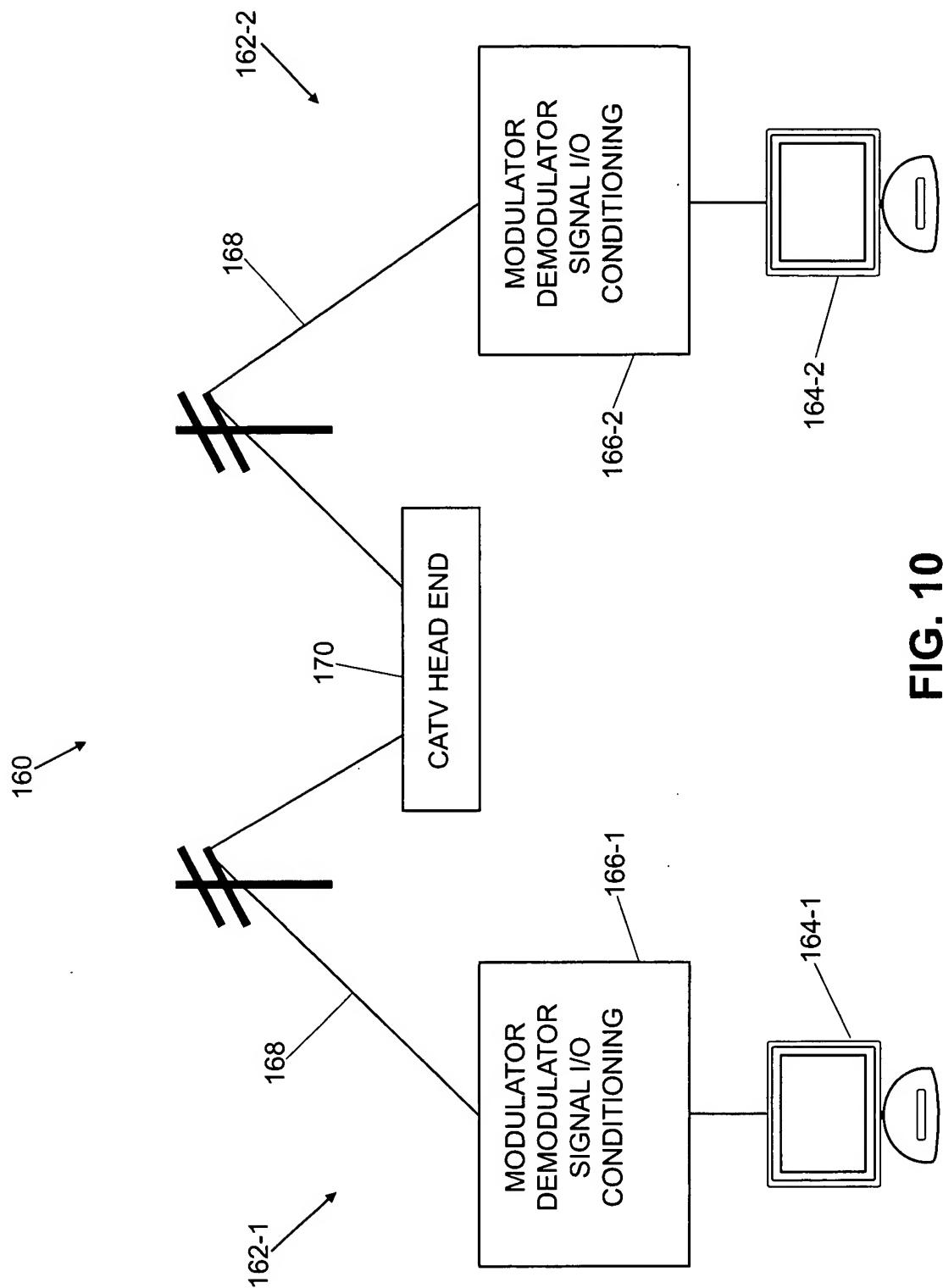
**FIG. 8**



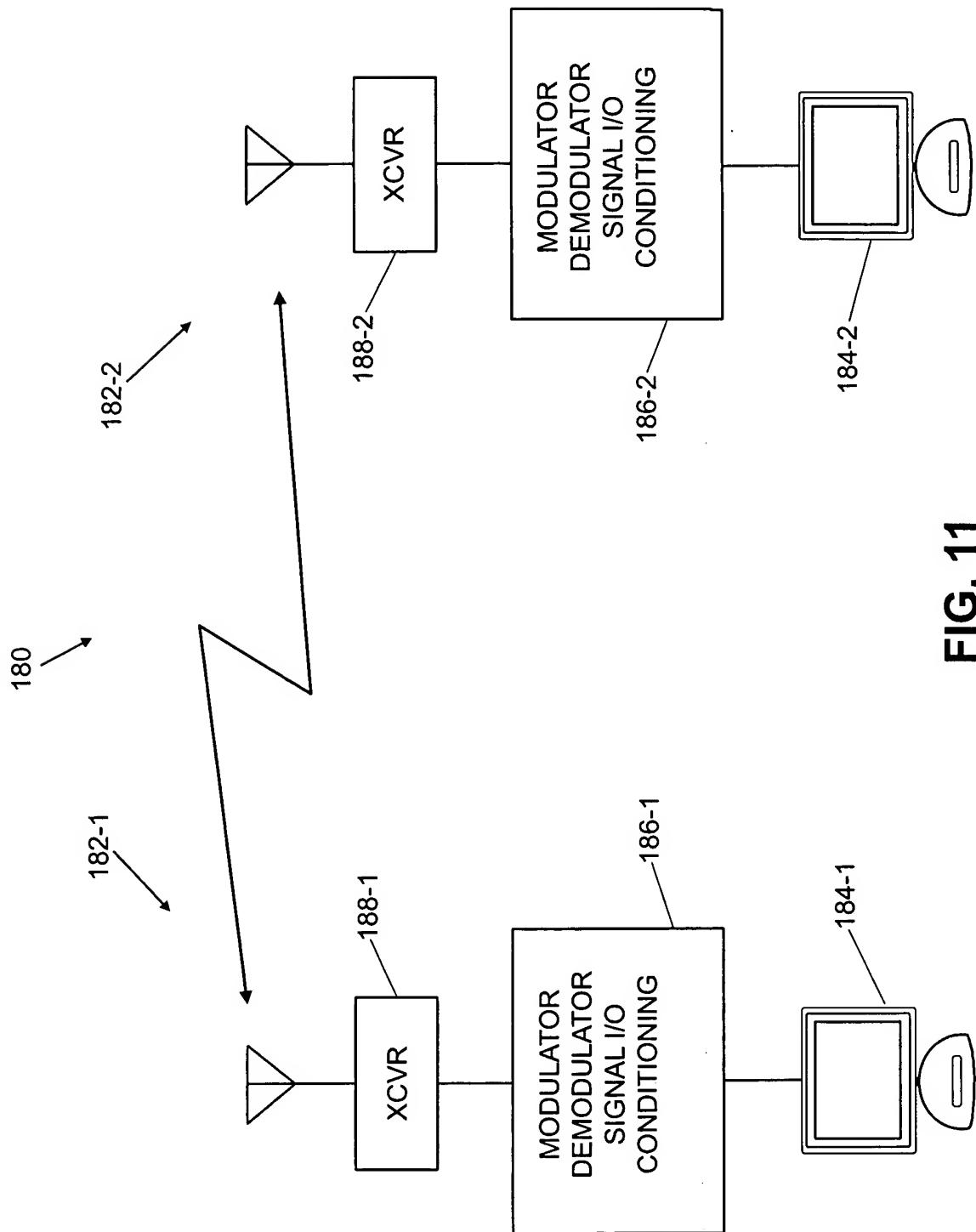
**FIG. 9A**



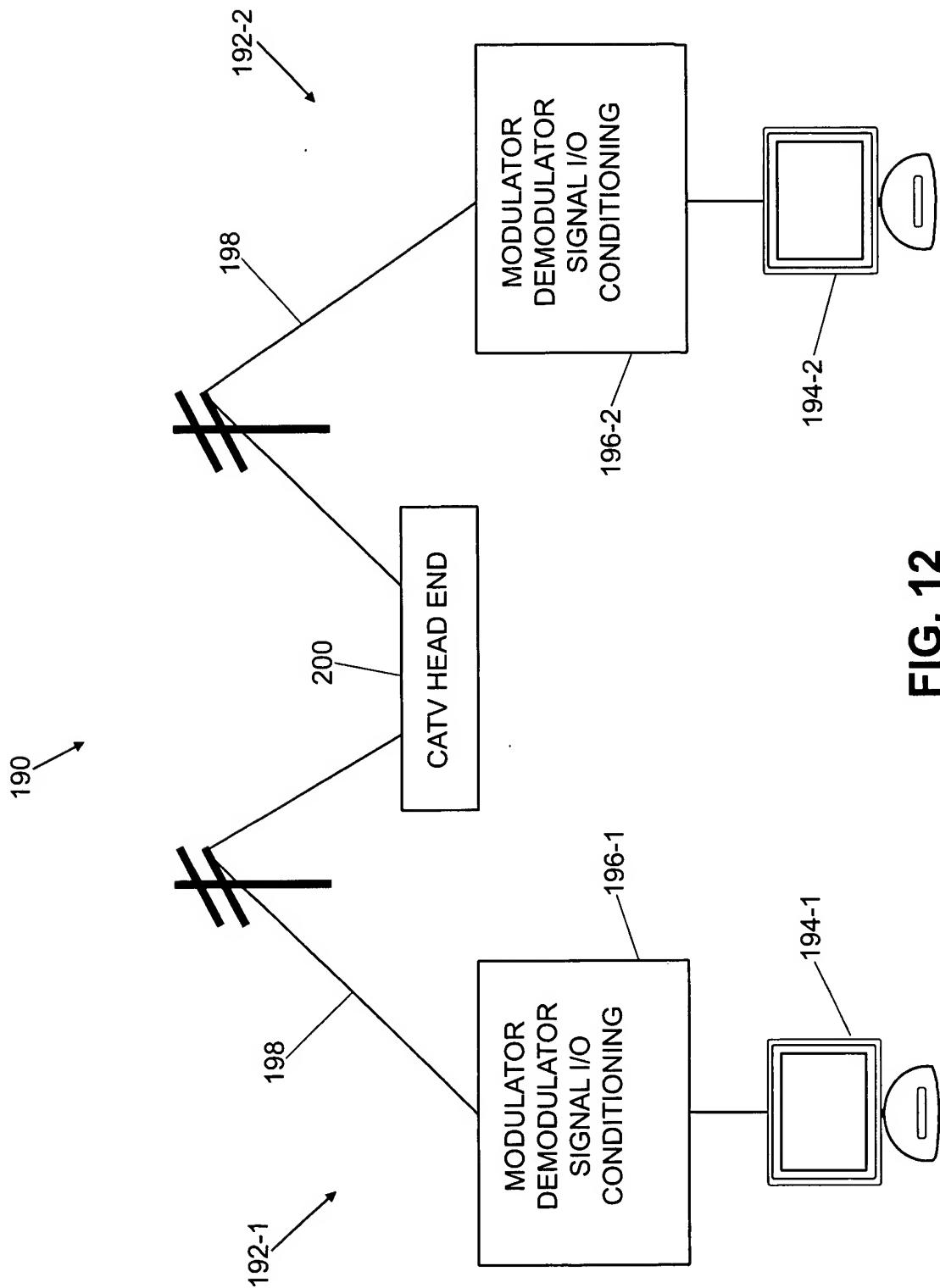
**FIG. 9B**



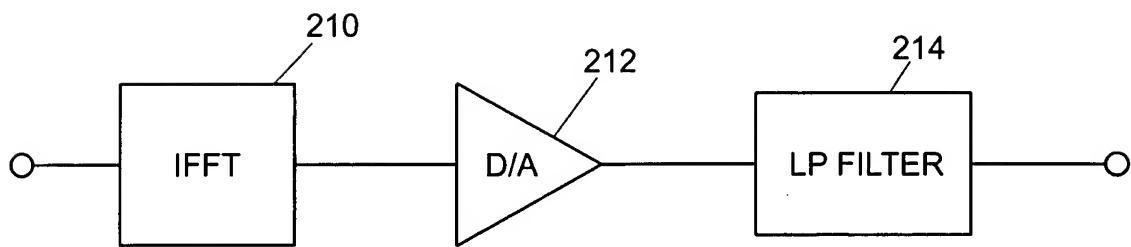
**FIG. 10**



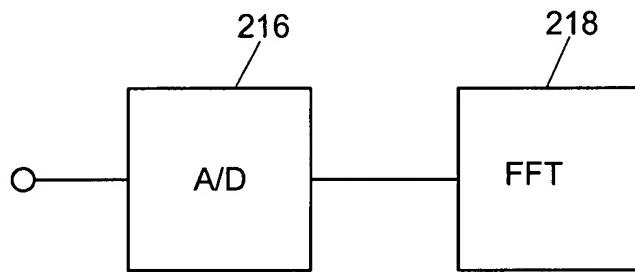
**FIG. 11**



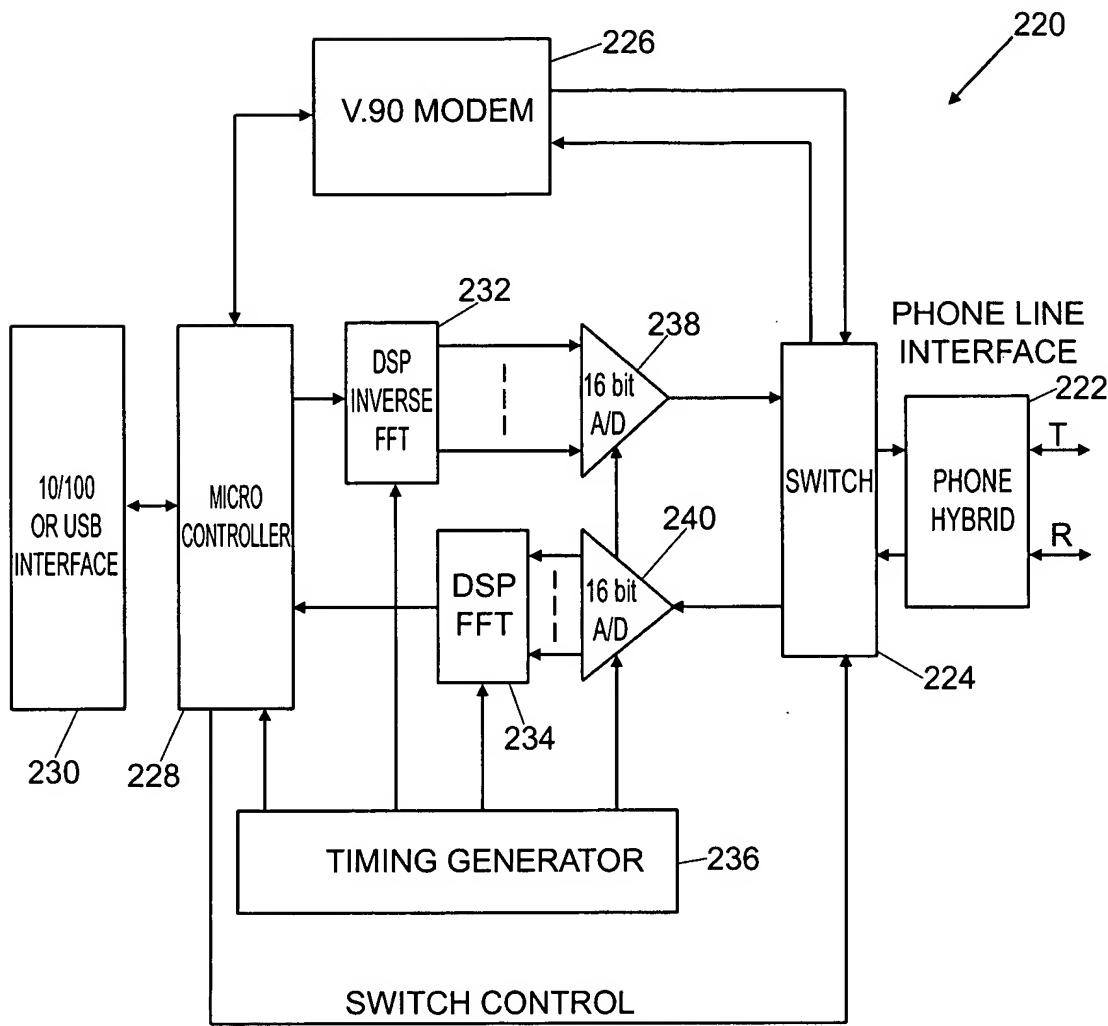
**FIG. 12**



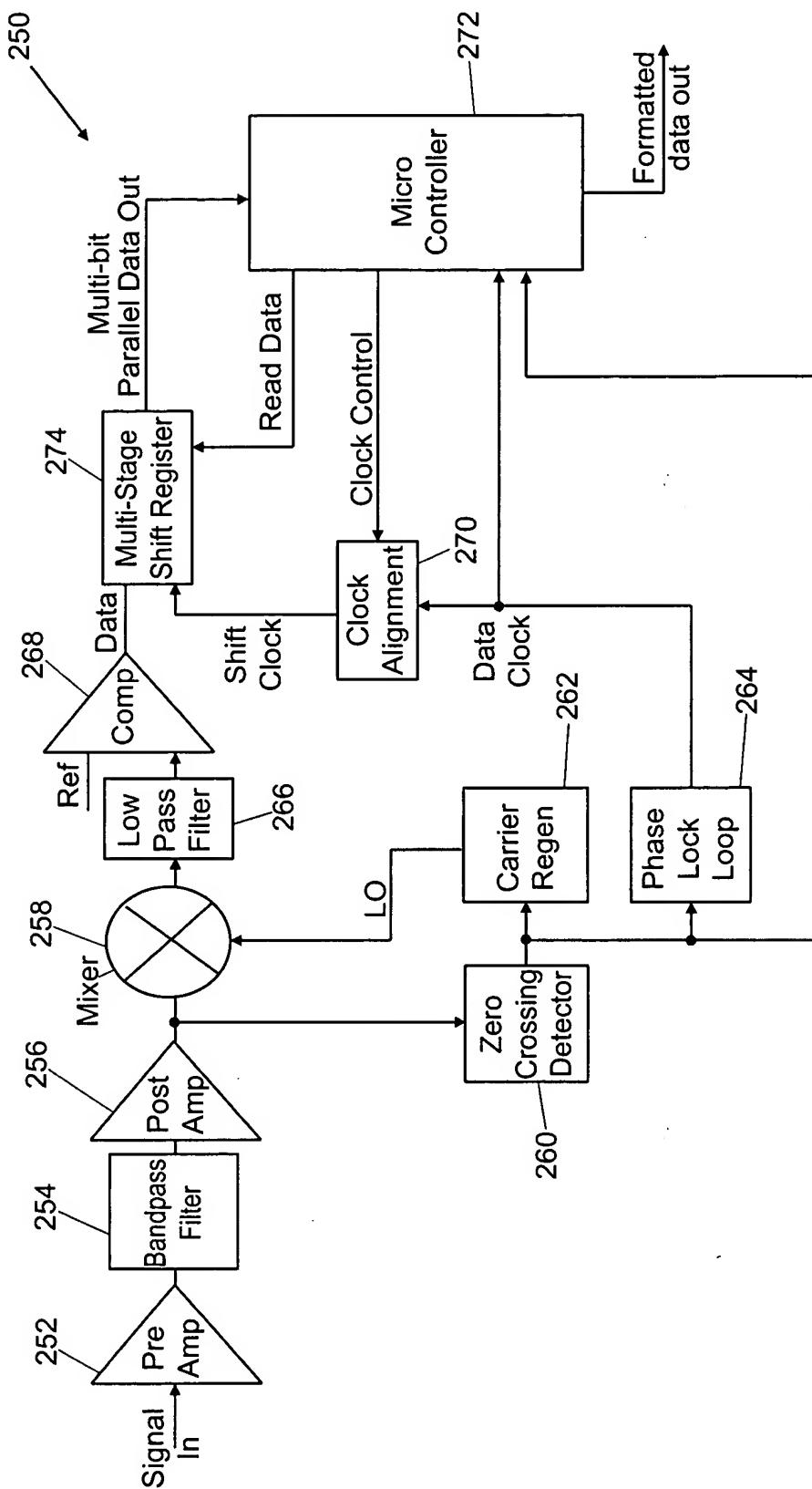
**FIG. 13**



**FIG. 14**



**FIG. 15**



Multi-bit Sinewave  
Receiver  
Block Diagram

**FIG. 16**